

ACCESSION NR: APL040465

of calcium and aluminum phosphates and of calcium aluminate. Orig. art. has: 3 tables and 13 figures.

ASSOCIATION: Ukrainskiy nauchno-issledovatal'skiy institut ogneuporov (Ukrainian Scientific Research Institute of Refractories)

SUBMITTED: 00

DATE ACQ: 06Jul64

ENCL: 05

SUB CODE: MM

NO REF Sov: 004

OTHER: 000

Card 3/8

ACCESSION NR: AP4043453

S/0131/64/000/008/0380/0382

AUTHOR: Gaodu, A. N., Kaynarskiy, I. S.

TITLE: Highly refractory, light weight materials for zirconium dioxide and zircon

SOURCE: Ogneupory*, no. 8, 1964, 380-382

TOPIC TAGS: refractory, light weight refractory, zircon, zirconium dioxide, zirconium silicate, ceramic

ABSTRACT: A method of preparing ceramic materials from porous alumina, developed by the authors and described in an earlier paper (Ogneupory*, 1963, No. 5), was applied to zirconium dioxide and zircon so that these could be used as components in the process. Zirconium dioxide, either without pretreatment or calcined at 1750C, was ground for 1.5 hrs. in a vibromill to a powder that passed through a 10000 mesh/cm² sieve. To prepare zirconium ceramics by this process, a mixture containing 96% zirconium dioxide (or zircon), sifted through a 900 mesh/cm² sieve, 8% gypsum, 6% lime and 0.5% aluminum powder was used as the base. After addition of sulfite-alcohol distillery residues to a proportion of 0.25% by weight and thorough mixing, the mass was poured into metallic molds for raising and solidification. The zirconium oxide and zircon products prepared by this

Card 1/2

ACCESSION NR: AP4043453

process were heated at 1750 and 1580C, respectively, for 6 hrs. and showed a volume shrinkage of 54%. Tests showed that the ceramic quality of the materials is high and the coefficient of thermal conductivity is low. The results of petrographic and x-ray structural analysis are discussed briefly. "The petrographic studies were carried out by Z. D. Zhukova." Orig. art. has: 2 tables and 1 figure.

ASSOCIATION: Ukrainskiy nauchno-issledovatel' skiy institut ogneuporov
(Ukrainian Scientific Research Institute of Refractory Materials)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 004

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

KAYNARSKY, I.S.; GAODU, A.N.

Measuring the kinetics of the expansion of a mass during the molding of expanded ceramic products. Stroi.mat. 10 no.8:13 Ag 164.

(MIRA 17:12)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

KAYNARSKIY, I.S.; GAUDU, A.N.

Evaluating the heat-resistance of lightweight refractories by
the acceptable speed of their heating and cooling. Ogneupory 29
no. 7:318-321 '64. (MIRA 18:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuprov.

KAYNARSKIY, J.S.; GAODU, A.N.; KARYAKIN, L.I.; USATIEV, I.F.

Technology of corundum refractories. Ogneupory 30 no.2:37-41. '65.
(MIRA 18:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.

KAYNARSKIY, I.S.; GAODU, A.N.; USATIKOV, I.F.

Semi-lightweight corundum refractory. Ogneupory 30 no.5:38-40 '65.
(MIRÀ 18:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.

L 12037-66 EMP(e)/EWT(m)/T/EMP(b) WH

ACC NR: AP5024199

SOURCE CODE: UP/0131/65/000/009/0032/0035

AUTHOR: Kaynarskiy, I. S.; Gordu, A. N.

ORG: Ukrainian Scientific-Research Institute for Refractory Materials (Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov)

TITLE: Light-weight corundum containing 99% Al₂O₃

SOURCE: Ogneupory, no. 9, 1965, 32-35

TOPIC TAGS: corundum, ~~industrial production~~, porosity, heat conductivity, corundum refractory, ~~product~~, metal extracting, heat resistant material

ABSTRACT: A new method for the production of high-Al₂O₃ corundum was developed which was more efficient and economical than the method now in practice (elimination of pretreatment of technical alumina and that of the slip). The slip was prepared by mixing non-roasted non-ground technical alumina, dolomite, gypsum and small additions of petroleum coke (5%), followed by pouring in of orthophosphoric acid mixed with the powders for the formation of slip. (Abstracter's note: except for coke, the exact quantity of the components is not given, nor is other informa-

1/2

UDC: 666.889

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ACC NR: AP5024199

tion, e.g. the duration of roasting, etc.) The swelling, after pouring into molds, was affected by the liberation of CO₂ during the reaction of orthophosphoric acid with dolomite and gypsum; the hardening of the gypsum fixed the structure of the cast. The unfinished product was roasted at 1560-1580°C. The roasted product, containing Al₂O₃ 88-92, 3CaO·P₂O₅ 6-8, Al₂O₃·P₂O₅, and glassy substance 1-2%, was worked into the desired form. A 2-4 hr. treatment with a HCl solution (1:1) resulted in the formation of a porous, well-shaped product, containing SiO₂ 0.78, Al₂O₃ 99.02, Fe₂O₃ 0.18, CaO 0.10 and R₂O 0.14%, which lost on ignition 0.12%. It was found possible to obtain a pure lightweight corundum (99% Al₂O₃) with a porosity of 76.6%, a bulk density of 0.85 g/cc, a heat conductivity of 0.40-0.45 kcal/m-hr-deg C, and a refractoriness of 2000°C. It could be used at temperatures up to 1750°C. Orig. art. has: 1 figure and 4 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG. REF: 002/

2/2

BC

Name: GAULIAN, Sh. A.

Dissertation: The dynamics of change in conditioned-reflex activity with blocking and restoration of embryonic tissue groups

Degree: Cand Biol Sci

Defended at

Affiliation: Acad Sci USSR, Inst of Animal Morphology imeni A. N. Severtsova

Publication

Defense Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 45, 1956

GAON, J.

Endemic nephropathy in Yugoslavia. Bul sc Youg 7 no.1/2:9-10
F-Apr '62.

1. Epidemioloski institut Medicinskog fakulteta, Sarajevo.

*

GAON, J. A., Doc., dr.

Prevention of the trench fever. Higijena, Beogr. " no.1-4:
239-249 1955.

1. Epidemiolski institut Medicinskog fakulteta, Sarajevo.
(TRENCH FEVER, prev. & control
chlortetracycline (Ser))
(CHLORTETRACYCLINE, ther. use
prev. of trench fever. (Ser))

A.
GAON, Jakob, Dr.

Recurrent typhus; Brill-Zinsser disease; incidence,
epidemiology and clinical aspects in our country. Med.
arh., Sarajevo 9 no.3:21-34 May-June 55.

1. Epidemiolski Institut Medicinskog fakulteta u Sarajevu,
Sef: Prof. Dr. Milos Aranicki.

(TYPHUS,
Brill's dis., epidemiol. & clin. aspects in
Yugosl. (Ser))

GAON, Janko, A Doc. dr.

Recurrence of classical typhus and their importance in the epidemiology
of this disease. Med. glasn. 11 no.5:172-176 May 57.

1. Institut za epidemiologiju Medicinskog Fakulteta u Sarajevu
(Upravnik; prof. dr M. Aranicki)

(TYPHUS, epidemiol.

Brill's dis.. importance of recur. in epidemiol. (Ser))

GAON,Jakob,dr

A vaccine against poliomyelitis -its production and requirements
(live and killed vaccines). Med srh,Sarajevo 14 no.1:1-9 Ja-P '60.

1. Institut za epidemiologiju Medicinskog fakulteta u Sarajevu,
sef: prof. dr Milos Aranicki.
(VACCINES)
(POLIOMYELITIS immunol.)

GAON, Jakob A., doc.dr

Epidemiology of poliomyelitis. Med.glasn. 14 no.5a:292-296 My '60.

1. Institut za epidemiologiju Medicinskog fakulteta u Sarajevu (Sef:
prof. dr. M.Aranicki)
(POLIOMYELITIS epidemic)

GACN: 101-CB A

1. Dr. John C. Gandy, Jr.
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6/14/81 SWC/CB

- Corridors, Annex A, I, Section, Vol 15, pt 4, 1980
1. Revised 6/14/81 SWC/CB Revised 6/14/81 SWC/CB
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1. "Virtuous Practices of Production" from *Practices* by Michael S. Viscusi, pp. 1-11.
2. "How Virtues and Virtuous Practices Improve Productivity," pp. 12-21.
3. "Principles of Good Practice in Manufacturing," pp. 22-31.
4. "Manufacturing Virtues," pp. 32-41.
5. "Ethics of Sustainability: An Interpretation in the Food Industry," pp. 42-51.
6. "Food Safety: A Virtuous Practice," pp. 52-61.
7. "Food Safety: A Virtuous Practice," pp. 62-71.
8. "Food Safety: A Virtuous Practice," pp. 72-81.
9. "Safety in the Classroom: An Ethical Argument," pp. 87-90.
10. "Food Processing: The Virtuous Practice," pp. 91-100.

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CIA-RDP86-00513R000514310005-2"

GAON, J., prof., dr.

Measures for the prevention of spreading of smallpox. Med. arh. 16
no.1:5-11 Ja-F '62.

1. Epidemiolski institut Medicinskog fakulteta u Sarajevu (Sef: prof.
dr M. Aranicki).

(SMALLPOX prev & control)

TEFTEDARIJA, M.; GAON, J.; MILADINOVIC, Z.; ANCIC, N.

Contribution to the study of clinical and epidemiological aspects of trichinosis in Bosnia and Herzegovina. (On some trichinosis epidemics in Bosnia and Herzegovina). Med. arh. 16 no.1:68-77 Ja-F '62.

1. Infektivna klinika Medicinskog fakulteta u Sarajevu (Sef: Prof. dr Blagoje Dordevic) Epidemioloski institut Medicinskog fakulteta u Sarajevu (Sef: Prof. dr Milos Aranicki) Parazitoloski odjek Mikrobioloskog instituta Medicinskog fakulteta u Sarajevu (Sef: Prof. dr Robert Fried)

(TRICHINOSIS epidemiol)

ARANICKI, M., prof. dr.; GAON, J., prof. dr.

On a new approach in the eradication of typhus in endemic foci. Med.
arh. 16 no.6:15-23 N-D '62.

1. Epidemioloski institut Medicinskog fakulteta u Sarajevu (Sef:
prof. dr M. Aranicki).
(TYPHUS)

5

GAON, J., TURLE, A., UPOVICIC, B.

The nature of measles epidemiology in Bosnia and Herzegovina
and our experience with its control. Med. arh. 17 no.6:1-21
N.D '63.

1. Epidemioloski institut Medicinskog fakulteta u Sarajevu
(Sef: Prof. dr M. Aranicki).

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

UDOVICIC, B.; GAGN, J.; HASANDEDIG, N.

Infection of domestic animals with Rickettsia burnetii in
Bohnia and Herzegovina. I. Reservoirs of Rickettsia burnetii in
domestic animals. Higijena 16 no.1:18-27 '64

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

GAON, Jakob, prof. dr. (Sarajevo)

Possibility of the eradication of typhus in Yugoslavia. Med.
glas. 19 no.4:109-115 Ap - My ' 65.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

L 32794-66 T JK
ACC NR: AP6023779

SOURCE CODE: YU/0015/65/000/04-/0109/0115

AUTHOR: Gaon, Jakob (Professor; Doctor; Sarajevo)

24
B

ORG: none

TITLE: Possibilities of eradicating exanthematous typhus in Yugoslavia

SOURCE: Medicinski glasnik, no. 4-5, 1965, 109-115

TOPIC TAGS: insecticide, immunology, epidemiology, rickettsial disease

ABSTRACT: Exanthematous typhus is still endemic in certain relatively impoverished mountain villages in Bosnia and Herzegovina in central Yugoslavia; the reasons for the continued presence are analyzed and the means necessary to eliminate it are reviewed. Use of insecticides to eliminate the lice, immunologic diagnostic methods to detect carriers (Brill-Zinsser disease) and quarantine and treatment are discussed in some detail. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 001

Card 1/1 11/15

09/15

160-4

SHLYK, A.A.; GAPONENKO, V.I.; KUKHTENKO, T.V.

Chlorophyll renewal in the absence of growth. Biul. Inst. biol.
AN BSSR no.5:131-137 '60. (MIRA 14:7)
(CHLOROPHYLL)

SHLYK, A.A.; LYAKHNOVICH, Ya.P.; GAPONENKO, V.I.; PRUDNIKOV, I.V.;
KALER, V.L.

Relation between the specific activity of chlorophyll a and b
during the initial stages of renewal. Biul. Inst. biol. AN BSSR
no.5:138-140 '60. (MIRA 14:7)

(CHLOROPHYLL)

GAPONENKOV, T.K.; SHATSMAN, L.I.

Chemical composition and aggregating capacity of a microbe mass.
Mikrobiologija 30 no.2:271-274 Mr-Ap '61. (MIRA 14:6)

1. Voronezhskiy sel'skokhozyaystvennyy institut.
(BACTERIA)

GAPANAVICIUS, B.

Tonsillar calculi. Sveik. apsaug. no. 5:30-31 '62.

1. Respublikine Kauno klinine ligonine. Vyr. gyd. -- med. m. kand.

P. Jasinskas.

(TONSILS) (CALCULI)

GAPANAVICIUS, B., asp.

Role of the treatment of anginas in the prevention of rheumatism.
Sveik. apsaug. no. 9:24-31 '62.

1. LTSR MA Eksperimentines medicinos institutas ir Resp. Kauno klinine
ligonine, Mokslinis vadovas — prof. med. m. dr. J. Kupcinskas.
(TONSILLITIS) (RHEUMATISM)

GAPANOV, Viktor Ivanovich; IONOV, N.I., prof., retsenzent; NILENDER, R.A.,
prof., retsenzent; TSAREV, B.M., prof., retsenzent; BRAGINSKIY,
V.B., red.; MURASHOVA, N.Ya., tekhn.red.

[Electronics] Elektronika. Moskva, Gos.izd-vo fiziko-matem.
lit-ry. Pt.1. [Physical principles] Fizicheskie osnovy. 1960.
516 p. (MIRA 14-3)

(Electronics)

CHIZHEVSKAYA, I.I.; GAPANOVICH, L.I.; POZNYAK, L.V.

Mobility of hydrogen atoms in methylene groups of
anhydro-2-benzimidazolylmercaptoacetic and β -mercaptopropionic
acids. Zhur. ob. khim. 33 no. 3:945-949 Mr '63. (MIRA 16:3)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy
SSR.

(Benzimidazoleacetic acid)
(Propionic acid) (Hydrogen)

CHIZHEVSKAYA, I.I.; GAPONOVICH, L.I.; KHOVRATOVICH, N.N.;

Study of the hydrogen atomic lability in ethyl groups of certain methylpyridine derivatives. Zhur. b. khim. 34 no.12:4059-4065 D '64 (MIRA 18:1)

1. Institut fiziko-organicheskoy khimii AN Belorusskoy SSR.

GAPANOVICH, L. N.

"The Choice of Methods of Preparing and Systems of Working Steep Seams in the Don Basin Which are Subject to the Sudden Expulsion of Coal and Gas." Cand Tech Sci, Inst of Mining, Acad Sci USSR, 28 Dec 54. (VM, 17 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

LINDENAU, N.I.; RAPOPORT, M.Ya.; DINEYEV, A.I.; GAPANOVICH, L.N., mladshiy nauchnyy sotrudnik.

Mining coal seams of the Prokop'evsk deposits in Kuznetsk Basin in connection with recent coal and gas outbursts. Ugol' 32 no.12: 14-18 D '57. (MIRA 11:1)

1.Glavnyy inzhener kombinata Kuzbassugol' (for Lindenau) 2.Starshiy nauchnyy sotrudnik Instituta gornogo dela AN SSSR (for Rapoport). 3.Starshiy nauchnyy sotrudnik Vostochnogo nauchno-issledovatel'skogo instituta (for Dineyev). 4.Institut gornogo dela AN SSSR (for Gapanovich).

(Kuznetsk Basin--Coal mines and mining--Accidents)

Gafanovich, L.N.

1469) **PLATE 1 BOOK EXPLOITATION** 807/1944

Academy Coal Min. Institute garage de la

Nauchnoye proizv. nauchnyye i nauchno-tekhnicheskiye problemy (Scientific Problems in Developing and Exploiting Mineral Deposits) Moscow, Izd-vo Akademii Nauk SSSR, 1959. 333 p. 3,000 copies printed. Braille slip inserted.

Rep. M. I. N.Y. Belikov, Corresponding Member, USSR Academy of Sciences; M. M. Publishing House: Tsel. F. Vail'ev; Tech. Ed.: P. I. Kachan.

PURPOSE: This book is intended for coal and ore mining engineers, consumers. The collection of articles reports on the results of scientific research conducted by members of the Institute of Mining Industry of the USSR and the Institute of Geology and Mineralogy of the USSR on problems of developing and exploiting coal and other mineral deposits. The book is divided into two parts. Part I contains the development and exploitation of coal deposits in the development underground and surface exploitation methods, the scientific bases and principles applied in developing deposits, methods for different natural conditions. The second part contains the basic elements in the use of modern techniques in underground development, and the preparation and organization of work in the development and exploitation of ore deposits. Part II is devoted to problems in the development and exploitation of ore deposits, the draining and mining methods in underground exploitation of deposits in the area of the open pit (shaft mining, dynamic), the open pit mining method used in exploiting the rich iron ores, the determination of size of open pit further on designing. The book is dedicated to Academician N. N. Mihajlovich Sverdlov, mining engineer. The articles are accompanied by diagrams, tables and bibliographic references.

PARTS OF CONTENT:

807/1944

Scientific Preliminaries (cont.)	
Gafanovich, L.I., V.V. Parashev, et al., Shchopil'ste, Shema77 of Results Obtained in the Exploitation of Thick Coal or Illite Seams in the Soviet Union and Elsewhere	27
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GAPANOVICH, Leonid Nikolayevich; PARUSIMOV, Vasiliy Fedorovich;
SUDOPLOTOV, Aleksey Pavlovich; ZHUKOV, V.V., otv.red.;
KOROVENKOVA, Z.A., tekhn.red.

[Generalizing Russian and foreign practices in mining thick
flat and inclined coal seams] Obobshchenie otechestvennogo i
inostrannogo opыта razrabotki moshchnykh pologikh i naklonnykh
plastov. Moskva, Ugletekhnizdat, 1959. 404 p. (MIRA 12:10)
(Mining engineering)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

GAPANOVICH Leonid Nikolayevich; GRISHAYENKO, M.I., otvetstvennyy redaktor;
TYUTYUNIKOVA, N.N. zhurnal'nyy izdatel'stvo; KOROVENKOVA, Z.A.,
tekhnicheskiy redaktor.

[Methods of working steep seams subject to sudden ejections]
Sistemy razrabotki krutopadiushchikh plastov, podverzhennykh
vnezapnym vybrosem. Moskva, Ugletekhnizdat, 1957. 142 p.
(MIRA 10:11)

(Coal mines and mining)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

BUTKEVICH, Roman Veniaminovich, kand.tekhn.nauk; SIDOROV, Ivan Nikolayevich, kand.tekhn.nauk; YACHMENOV, Viktor Ivanovich, inzh.; Prinimali uchastiye: SERGEYEV, F.N., kand.tekhn.nauk; BUTKEVICH, G.R., inzh.; TRESHKIN, S.V., inzh. GAPANOVICH, L.N., otv.red.; ZHUKOV, V.V., red.izd-va; SHKLYAR, S.Ya., tekhn.red.; GALANOVA, V.V., tekhn.red.

[Use of the underground method for the mining of Ural coal deposits.]
Razrabotka ugol'nykh mestorozhdenii Urals podzemnym sposobom. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 323 p.
(MIRA 14:1)

(Ural Mountains--Coal mines and mining)

LINDENAU, N.I.

"Generalization of Soviet and foreign practices in mining flat and inclined thick coal seams" by L.N. Gapanovich, V.F. Parusimov, A.P. Sudoplatov. Reviewed by I.N. Lindenau. Ugol' 35 no. 4:62-63 Ap '60. (MIRA 14:4)

1. Glavnnyy inzhener kombinata Kuzbassugol'.
(Coal mines and mining) (Gapanovich, L.N.)
(Parusimov, V.F.) (Sudoplatov, A.P.)

SUDOPLOTOV, Aleksey Pavlovich, prof.; PARUSIMOV, Vasiliy Fedorovich;
GAPANOVICH, Leonid Nikolayevich; STARIKOV, Aleksey Vasil'yevich;
SAKHAROV, Arkadiy Petrovich; BUTKEVICH, R.V., otv. red.;
SMIRENSKIY, M.M., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Working coal deposits with short stoping faces] Razrabotka
ugol'nykh mestorozhdenii korotkimi ochistnymi zaboliami. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1962. 303 p.
(MIRA 15:3)

(Coal mines and mining)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

GAPANOVICH, L.N., kand.tekhn.nauk; SAKHAROV, A.P., kand.tekhn.nauk;
KAPKOV, Yu.V.

Using the optical method to study the stress state of interchamber
pillars of coal in the chamber-and-pillar system. Nauch. soob.
IGD 17:79-86 '62. (MIRA 16:7)
(Coal mines and mining) (Strains and stresses)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

BABOKIN, Ivan Alekseyevich; ZVYAGIN, F.Z., doktor tekhn. nauk,
retsenzent; GAPONOVICH, L.N., kand. tekhn. nauk,
otv. red.

[Technical and economic evaluation of the loss of coal
during mining] Tekhniko-ekonomicheskaia otsenka poter'
uglia v nedrakh (pri razrabotke). Moskva. Nedra, 1964.
94 p. (MIRA 18:2)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

GAPANOVICH, L.N.; IGNAT'YEV, A.D.; POCHENKOV, A.K.; SUDOPLATOV, A.P.

Improving the mining of the Starobin potassium salt deposit.
Gor. zhur. no.11:3-7 N '64. (MIRA 18:2)

1. Institut gornogo dela im. A.A. Skochinskogo.

GOVORUSHCHENKO, M.Ya. [Hovorushchenko, M.IA.], kand. tekhn. nauk; GAPA-
NOVICH, M.S. [Hapanovich, M.S.], otv. red.; TEPLYAKOVA, A.S.,
red.; MATVIICHUK, O.A., tekhn. red.

[Mechanization and automation of operations in the maintenance
and repair of motor vehicles] Mekhanizatsiia i avtomatyzatsiia
vyrobnychych protsesiv pry tekhnichnomu obslukhovuvanni ta re-
monti avtomobiliv. Kyiv, 1961. 34 p. (Tovarystvo dlia poshy-
rennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.7, no.6)

(Motor vehicles--Maintenance and repair) (Automation)

(MIRA 14:9)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

KHABLO, I.; GAPANOVICH, N.; LEVINSON, B.; YUSHCHENKO, P.

Centralized maintenance and repair of storage batteries is
efficient. Avt. transp. 43 no.1;32-33 Ja '65. (MIRA 18;3)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2

GAPANOVICH, V.S.

Gapanovich, V. "Repair of tires by retreading", Avtomobil', 1949, No. 3, p. 16-18

so: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310005-2"

GAPANOVICH, N.S.; KRAYZ, I.Ya.; REVA, L.P.; ROKHLENKO, M.A.

[Materials for the operation and repair of automobiles] Materialy dlia
eksploatatsii i remonta avtomobilei. Kiev, Gos.sauchno-tekhn. izd-vo
mashinostroit. i sudostroit. lit-ry [Ukr.odd-nie] 1953. 292 p. (MLRA 7:6)
(Automobiles--Repairing) (Automobiles--Apparatus and supplies)

GAPANOVICH, ~~██████████~~ N.S.

USSR/Miscellaneous - Book review

Card 1/1 : Pub. 128 - 27/31

Authors : Zalogin, N. S.

Title : Criticism and bibliography

Periodical : Vest. mash. 10, 108-109, Oct 54

Abstract : A critical review is presented of N. S. Gapanovich, I. Ya. Krayz, L. P. Reva, and M. A. Rokhlenko's book, "Reference Materials on the Exploitation and Repair of Automobiles", published by Mashgiz 1953. The book is being severely criticized by the author of this article and in his opinion it contains too many errors and misinterpretations to be of any practical value.

Institution : ...

Submitted : ...

GAPANOVICH, N.

Ukrainian Scientific Research Institute of Roads, Industrial Establishments, and Structures and the Ukrainian State Institute for the Design and Planning of Motor Vehicle Repair and Automotive Transportation Establishments. Avt.transp. 37 no.1:53 Ja '59.
(MIRA 12:2)

1. Zamestitel direktora Ukrdortransii.
(Highway research) (Transportation, Automotive)

GAPANOVICH, N.; LUTSKER, G.

Reducing transportation costs of automotive freight haulage. Avt.
transp. 38 no.10:34-36 O '60; (MIRA 13:10)

1. Zamestitel' direktora po nauchnoy rabote Ukrainskogo dorozhno-transportnogo nauchno-issledovatel'skogo instituta (for Gapanovich).
2. Nachal'nik otdela ekonomiki avtotransporta Ukrainskogo dorozhno-transportnogo nauchno-issledovatel'skogo instituta (for Lutsker).
(Transportation, Automotive--Cost of operation)

GAPANOVICH, N., inzh.

Technical and economic analysis of overhauling. Avt.transp. 4 no.8:36-37
Ag '62. (MIRA 16:4)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledoavtel'skiy institut.
(Motor vehicles—Maintenance and repair)

GAPANOVICH, N.S.

Surgical treatment of Itsenko-Cushing disease. Probl. endokr.
gormonoter. 9 no.4:55-57 Jl-Ag'63 (MIRA 17:1)

1. Iz kafedry endokrinologii (zav. - dotsent N.M.Draznin)
Belorusskogo instituta usovershenstvovaniya vrachey.

ACC NR: AP6015717

(N)

SOURCE CODE: UR/0413/66/000/009/0146/0146

INVENTOR: Gapanovich, N. S.; Miroshnichenko, Yu. M.

ORG: None

TITLE: A unit for determining air pressure in a pneumatic tire without opening the valve. Class 63, No. 181506

SOURCE: Izobreteniya, promyshlennyye obraztay, tovarnyye znaki, no. 9, 1966, 146

TOPIC TAGS: pressure measuring instrument, tire, valve

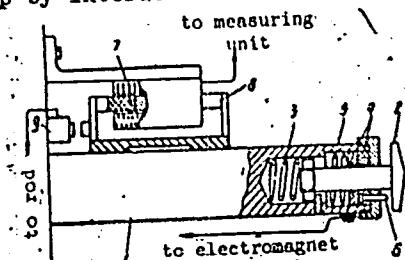
ABSTRACT: This Author's Certificate introduces a unit for determining air pressure of a pneumatic tire without opening the valve. This device includes a rod and a measuring unit. The effect which the relative location of the unit and the tire surface to be checked has on measurement accuracy is eliminated by using a sectional rod composed of a shaft with a head on the tip. The rod also contains a spring which pushes the tip away from the shaft, two contact rings mounted on the tip, a spring which holds the contact rings together and a push rod mounted on the end of the shaft. This push rod contacts the head on the tip and one of the contact rings at the instant of measurement. The push rod separates the two rings. An inductance type pickup is used as the measuring device consisting of a coil rigidly fixed to the unit housing and an armature with a steel heel. The armature also has a steel core

Card 1/2

UDC: 531.787.91:620.1.05:629.11.012.55

ACC NR: AP6015717

and a pole piece made from nonferrous material touching the surface of the shaft. The initial position of the inductance pickup armature is fixed by a rigidly mounted electromagnet supplied with current through the contact rings on the rod. The magnet pulls the armature to a stop by interaction with the steel heel of the armature.



1--rod shaft; 2--tip; 3--tip spring; 4--contact rings; 5--spring; 6--push rod; 7--pickup coil; 8--core; 9--electromagnet

SUB CODE: 13/ SUBM DATE: 28Jan63

Card 2/2

GAPANOVICH, V.M.

Technique of forming an anastomosis between the inferior vena cava and the portal vein. Pat. fisiol. i eksp. terap. 8 no.1:63-64 Ja-F '64. (MIRA 18:2)

1. Kafedra topograficheskoy anatomi i operativnoy khirurgii (zav.-- dotsent B.Kh. Mitroshenko) Vitabskogo meditsinskogo instituta.

GAFANOVICH, V. Ya.

"Clinical Aspects and Bacteriology of Mastoiditis." Cand Med Sci, Minsk
State Medical Inst, Minsk, 1955. (Kh, No 17, Apr 55)

SC: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (16).

KNIGA, N.P., doktor med.nauk; GAPANOVICH, V.Ya., kand.med.nauk

Incidence of chronic tonsillitis in the enterprises and in
children's homes in Minsk. Zdrav.Belor. 4 no.3:7-9 Mr '58.
(MIRA 13:7)

1. Iz kliniki bolezney ukha, gorla, nosa Minskogo meditsinskogo
instituta.
(MINSK--TONSILS--DISEASES)

GAPANOVICH, V.Ya.; ZHARINA, M.A.

Case of cholesteatoma of the maxillary sinus. Zdrav.Belor. 5
no.6:71 Je '59. (MIRA 12:9)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy -
doktor meditsinskikh nauk N.P.Kniga) Minskogo meditsinskogo
instituta.
(NOSE, ACCESSORY SINUSES OF--TUMORS)

GAPANOVICH, V.Ya., assistent

Some data on bacteriemia and on body reactivity in otogenous
thrombosis of the sigmoid sinus. Zdrav.Belor. 6 no.2:30-31
F '60. (MIRA 13:6)

1. Iz kafedry mikrobiologii (zaveduyushchiy - professor B.Ya.
El'bert) i kliniki bolezney ukha, gorla i nosa (zaveduyushchiy -
professor N.P. Kniga) Minskogo meditsinskogo instituta.
(BACTERIEMIA) (BACTERIEMIA - DISEASES)

GAPANOVICH, V.Ya.

Treatment of functional aphonia. Zdrav. Belor. 6 no. 7:38-39
Je '60. (MIRA 13:8)

1. Iz polikliniki No. 2 pervogo klinicheskogo ob'yedineniya
(glavnyy vrach A.I. Shuba, Zamestitel' glavnogo vracha po
poliklinike B.A. Mandel'baum).
(THROAT—DISEASES)

GAPANOVICH, V. YA.; SVIRNOVSKAYA, S.M.

Autofibrin films in otiatry. Zdrav. Bel. 8 no.6:31-35 Je'62.
(MIRA 16:8)

1. Iz kliniki ukha, gorla i nosa (direktor - prof. N.P. Kniga)
Minskogo meditsinskogo instituta.
(EAR—DISEASES) (FIBRIN)

GAPANOVICH, V.Ya. (Minsk)

Plastic surgery on the tympanic membrane by means of an autogenous fibrin film in ambulant practice. Vrach. delo no. 9:156-157 8¹63.
(MIRA 16:10)

1. Poliklinika No.13 Pervogo klinicheskogo ob"yedineniya, Minsk.
(TYMPANIC MEMBRANE — SURGERY)

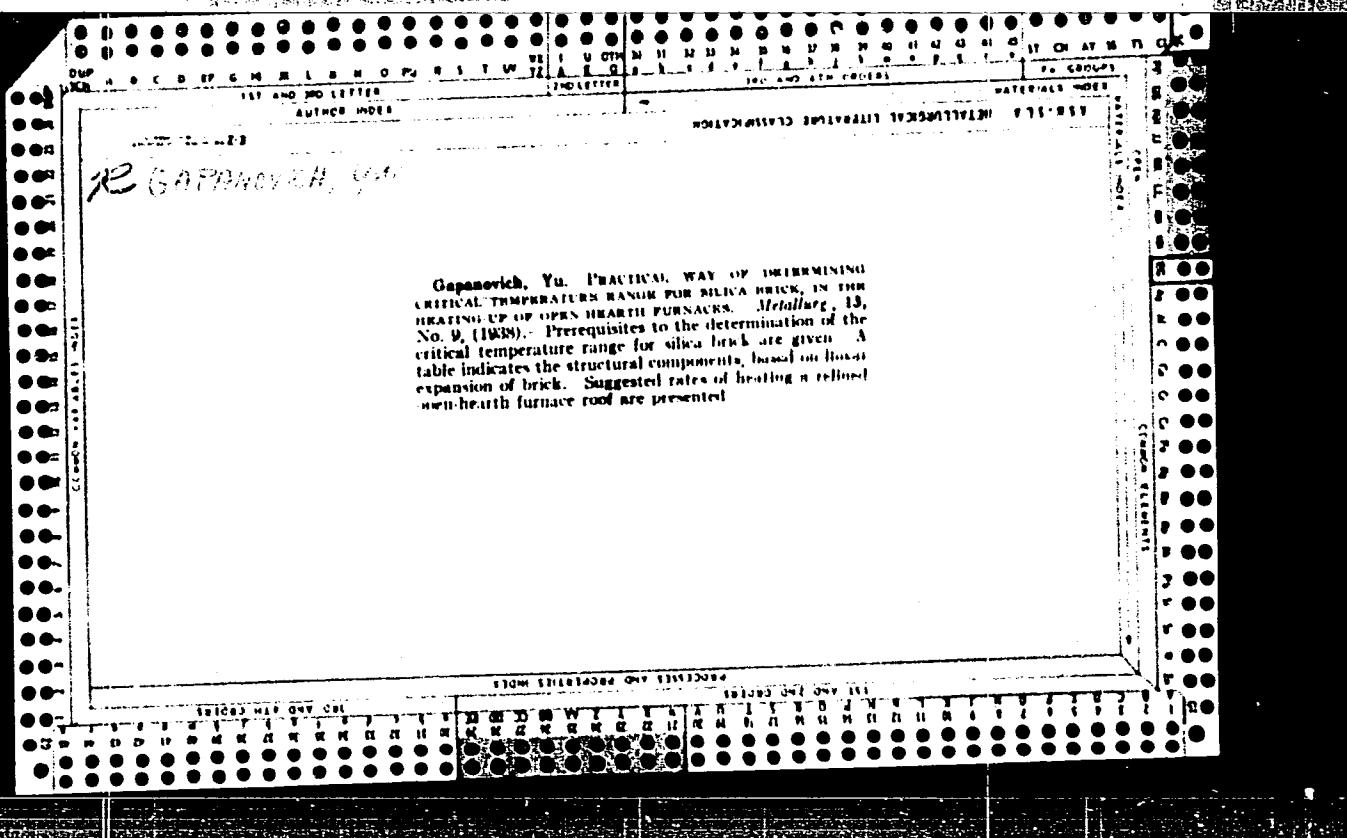
GAPANOVICH, V.Ya., kand.med.nauk

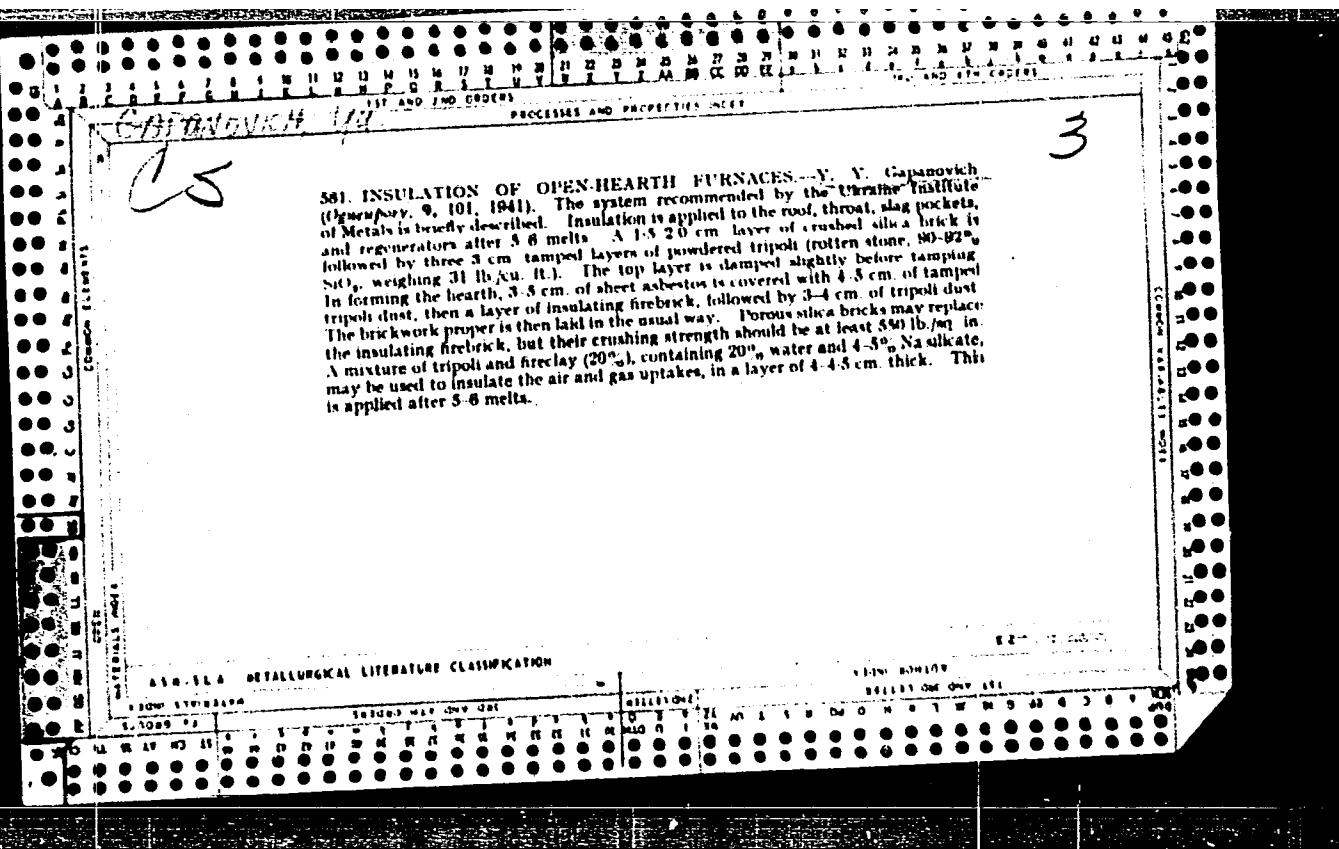
Powder insufflator for the ear. Zhur.ush., nos. i gorl. bol.
23 no.2:82-83 Mr-Ap'63. (MIRA 16:8)
(EAR—DISEASES) (MEDICAL INSTRUMENTS AND APPARATUS)

GAPANOVICH, V.Ya., kand. med. nauk

Use of autofibrin films in otiatry. Zhur. ush. nos. i gorl. bol.
23: no. 6: 81-82 N-D '63. (MIRA 17:5)

1. Iz otorinolaringologicheskoy kafedry Grodnoinskogo meditsinskogo
instituta.





SOV/137-57-1-1471

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 195 (USSR)

AUTHOR: Gapanovich, Yu. Yu.

TITLE: Aluminum Bronze as Substitute for Stannous Bronze Used for Worm Gears of Trolleybus Speed-reducing Gears (Alyuminiyevaya bronza kak zamenitel' olovyanistoy bronzy, primenyayemoy dlya chervyachnykh zubchatykh koles reduktorov v trolleybusakh)

PERIODICAL: Nauch. tr. Khar'kovsk. in-t inzh. kommun. str-va, 1956, Nr 6, pp 121-131

ABSTRACT: Aluminum bronze (AB) has the following advantages over Sn bronze: It replaces scarce Sn, has greater strength and plasticity, and affords high corrosion and wear resistance. Its drawbacks are as follows: Heavy shrinkage, contamination with Al oxides, tendency towards gas absorption in the liquid state, and coarseness of grain. To eliminate the last drawback up to 3 - 6% Fe and up to 2.5% Mn are introduced into the AB. To prevent the formation of films and impurities it is recommended that the smelting be carried out under a layer of charcoal and fluxes. $MgCl_2$, KCl , $NaCl$, cryolite, glass and soda, glass and borax, etc. can serve as

Card 1/2

Aluminum Bronze as Substitute for Stannous Bronze (cont.)

SOV/137-57-1-1471

fluxes. After the Cu is melted it is deoxidized by phosphorous copper in an amount of 0.03% P of the weight of the metal; prior to teeming the metal is refined with dry $ZnCl_2$; during teeming the flow of metal should be shielded from the air with a neutral gas. To prevent boiling and saturation of the metal with gases the Al and the AlCu alloy are introduced into the alloy in small batches in a soft-steel net. The smelting should be carried out with all possible speed and towards the end of the heat the temperature should be in the 1150 - 1250°C range. It is recommended that teeming of AB for worm wheels be carried out by means of pouring from a centrifugal casting machine into a chill mold; in this case the temperature of the metal before teeming should be 1080 - 1150°. The machining of AB crowns consists of the cutting of teeth on a tooth-cutting lathe with subsequent machining with a shaver. The trolleybus is put into service after a careful wearing-in period. During the first 10,000 - 15,000 km the oil is changed every 3,000 - 4,000 km. The service life of AB crowns is estimated at an average 37,300 km for a trolleybus. The service life of Sn bronze was 35,450 km.

I. S.

Card 2/2

GAPEYEV, I. A., Cand. Medic. Sci. (diss) "Development of Inner-vation of Small Intestine of Man and Cats," Smolensk, 1961, 27 pp. (Smolensk Med. Inst.) 250 copies (KL Supp 12-61, 284).

GAFCHENKO, G. V.

"Methods of Checking the Accuracy of Precision Bearings for Spindles" Stanki i Instrument,
10, No 8, 1939, Engineer, ENIIS.

Report U-1505, 4 Oct 1951.

GAPCHENKO, G. V.

GAPCHENKO, G. V.

600

1. GAPCHENKO, G. V., Candidate of Technical Sciences;
POLYAKOV, Ye. G., Engineer

2. USSR (600)

ENIMS / Experimental Scientific-Research Institute of Metal-Cutting Machine Tools / "New Designs of Spindles" Stanki i Instrument, 12, No. 4, 1941

3. [REDACTED] Report U-1503, 4 Oct. 1951

GAPCHENKO, L.; BEME, Ye.

Improving the starting of carburetor engines in wintertime. Avt.
transp. 33 no. 9:22-23 S'55. (MLRA 8:12)

1. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog
Kazakhskoy SSR (for Gapchenko) 2. Alma-Atinskiy filial Vsesoyuz-
nogo nauchno-issledovatel'skogo instituta avtomobil'nogo transporta
(for Beme)

(Automobiles--Starting devices)

MAL'NEV, A.F.; KREMENCHUGSKIY, L.S.; BEREZKO, B.N.; SHEVTSOV, L.N.; BOGDEVICH, A.G.; KIRILLOV, G.M.; CHASHECHNIKOVA, I.T.; YARMOLENKO, N.A.; OFENGENDEN, R.G.; SERMAN, V.Z.; DALYUK, Yu.A.; BEREZIN, F.N.; KONENKO, L.D.; SHALEYKO, M.A.; SHEVCHENKO, Yu.S.; STOLYAROV, V.A.; KIRILLOV, G.M.; BOGDEVICH, S.F.; LYSENKO, V.T.; BRASHKIN, N.A.; SKRIPNIK, Yu.A.; GRESHCHENKO, Ye.V.; TUZ, R.M.; SERPILIN, K.L.; GAPCHENKO, L.M.

Abstracts of completed research works. Avtom. i prib. no.3:90-91
Jl-S '62. (MIRA 16:2)

1. Institut fiziki AN UkrSSR (for all except Skripnik, Greshchenko, Tuz, Serpilin, Gapchenko). 2. Kiyevskiy politekhnicheskiy institut (for Skripnik, Greshchenko, Tuz, Serpilin, Gapchenko).

(Research)

CA

7

Iodometric microanalysis of lead. M. N. Guchenko,
Zaridokur Lab. 4, 1014-16, 1935. Cf. Ivanov, C. A. R.,
21:2. To 10 cc. of a Pb(NO₃)₂ soln add 5 cc. of freshly
prepd. 10% NaHSO₃ and centrifuge for 10 min. Wash
the PbSO₄ ppt. by decanting and centrifuging with H₂O
until all NaHSO₃ is removed. Dissolve the PbSO₄ in 0.2
cc. of 2 N NaOH, add 0.001 cc. of 1 N I soln (depending
on the amt. of PbSO₄), transfer the mixt. into a flask
and titrate with 20% H₂SO₄ and titrate back the excess of I
with Na₂S₂O₃. Calc. Pb from the actual amt. of I con-
sumed in the oxidation of S₂O₃²⁻ to S₂O₄²⁻. Cf. R.

GAPCHENKO M.N.

14

S
First Post-War Graduation of Welding Engineers from the Kiev Polytechnich Institute. M. N. Gapchenko. (Avtogennoe Delo, 1948, No. 3, p. 33) (In Russian). A brief account is given of the reconstruction of the Kiev welding laboratories, and some of the more interesting researches carried out by the students are outlined. The main emphasis of the work has been the mechanization of welding processes and the design of welding installations.
S.K.

ASH-51A METALLURGICAL LITERATURE CLASSIFICATION

GAFCHENKO, M. N. and POGODIN-ALFKSEEV, G. I.

Kontrol' svarochnykh rabot. Kiev, Ukr. otd-nie Mashgiza, 1950. 175 p. diagrs.

Bibliography: p. 174

Control of welding work.

DLC: TS227.F6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress,
1953.

GAPCHENKO, M.N.

USSR/Engineering - Welding, Magnesium

Aug 51

"Electric-Arc Welding of Magnesium Alloys," K. K. Kirenov, Mem. Acad Sci Ukrainian SSR, Docent M. N. Gapschenko, Cand Tech Sci, G. P. Sakhatskiy, Engr

"Avtogen. Delo" No 8, pp 1-5

Investigated welding methods for Mg alloys of MAI type, containing 1.3-2.5% Mn and small amounts of Al, Zn, Fe, Si and others. Out of 10 flux systems investigated best results were obtained from fluxes containing considerable amt of fluorides of alkali metals. Mech properties of welded joints are lower than those of base metal.

200147

USSR/Engineering - Welding, Magnesium (Contd)

Aug 51

Homogenization of welded specimens failed to improve noticeably mech properties. Macro- and microstructure of welded joints showed satisfactory weldability of metal. Tabulates conditions of dc welding, using carbon electrode.

200147

GAPCHENKO, M. S.

"Investigation of Some Technological Factors Predetermining
the Brittle Destruction of Steel." Dr Tech Sci, Kiev Polytechnic
Inst, Kiev, 1954. (RZhMekh, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

GAPCHENKO, M.N.

BORT, M.M., kandidat tekhnicheskikh nauk; BYALOTSKIY, L.A., assistant;
VASIL'YEV, G.V., assistant; GAPCHENKO, M.N., kandidat tekhnicheskikh
nauk; GREBEL'NIK, P.G., kandidat tekhnicheskikh nauk, otvetstvennyy
redaktor; TROCHUN, I.P., kandidat tekhnicheskikh nauk; SERDYUK, V.K.,
vedushchiy redaktor; inzhener; RUDENSKIY, Ya.V., tekhnicheskiy re-
daktor.

[Electric welder's reference book] Spravochnik elektrovarshchika.
Izd. 2-e, perer. Kiev, Gos. nauchno-tekh. izd-vo mashinstroit.
lit-ry, 1954. 515 p. [Microfilm]
(MLRA 8:1)
(Electric welding)

SOV/137-59-7415096

Translated from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 7, pp 129 - 130 (USSR)

AUTHOR: Gapchenko, M.N.

TITLE: Investigation Into Properties of Weld Joints Under Impact Load

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1957, Vol 24, pp 341 - 366

ABSTRACT: The effect of metal heterogeneity in various zones of weld joints was investigated on large-size welded specimens; as well as the effect of the rate of applying a load and of the temperature on a_k and on the character of break. Different electrodes, fluxes, welding and subsequent heat treatment conditions, composition and heat treatment of the base metal were used to obtain different properties of welded-on metal beads and seams, of thermally affected zones and of the base metal. Tests were carried out on a vertical ram impact machine with a 4-ton rammer. Local annealing produced best results in increasing a_k of welded St 35G steel specimens and of specimens with beads welded on with UONII-13/55 and MEZ-04 electrodes; local annealing was preferable to full annealing. Preheating and composition of E42 - E55 electrodes was of secondary importance. Notches produced by gas cutting had the same effect on

Card 1/2

SOV/137-59-7-15-96

Investigation Into Properties of Weld Joints Under Impact Load

a_k and the character of break as welding-on of longitudinal or transverse beads. The magnitude of the volume of ductile seam metal produced a substantial effect on a_k of weld joints. Proneness of the structure to brittleness, as an effect of brittle superficial heterogeneity can be decreased by reducing the ratio of the width of the brittle beading to the width of the welded-on elements. Thickness of the specimen has a substantial effect on the character of break and a_k . The investigated steels can be divided into three groups according to the nature of the break and changes in a_k : ductile, semi-ductile and brittle steels. a_k of specimens with beads welded on with E42 and E55 electrodes, increased for all steels proportionally to impact rates raising from 5 to 50 m/sec. Low carbon killed steel with 0.08 - 0.12% C was highly resistant to brittleness breaks under repeated impact load; seams welded with MEZO^{1/4} electrodes on carbon steel with 0.28% C and on "35 G" steel has a medium resistance; low carbon killed steel with 0.13% C and carbon steel of 28% C had a low resistance. It is confirmed that if ductile properties of welded on metal are not below those of base metal, there is no reason to expect a sharp reduction of a_k at low temperatures.

G.K. ✓

Card 2/2

SOV/125-59-12-6/13

AUTHORS: Khrenov, K.K., Gapchenko, M.N. and Kushnerev, D.M.

TITLE: The Automatic Welding of Cold-Resistant Steel Under a Ceramic Flux (Avtomaticheskaya svarka khladostoykoy stali pod keramicheskim flyusom)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 12, pp 50-56 (USSR)

ABSTRACT: Information is given on the results of experiments carried out to determine the composition of a ceramic flux, the welding technology and the heat treatment ensuring satisfactory tightness and cold resistance of weld joints in "12N3" grade steel. It was stated that a satisfactory toughness of welds in a temperature of -160°C was obtained with the use of a "S-7-06A" electrode (0.08% C, 0.36% Mn, 0.02% Si, 0.029% S, 0.015% P). A series of fluxes were tested, and the best results were obtained with the use of "KS-12N3" flux of the following composition: 52.9% marble, 20% fluorite, 15.0% titanium dioxide, 6.0% ferrotitanium, 0.8 ferromanganese, 1.2% ferrosilicon, 4.0% metallic nickel, 17 - 20% sodium silicate solution of 1.3 - 22% density. The required cold resistance of weld joints was ensured by a special heat treatment (hardening or normalization with subsequent tempering).

Card 1/2

SOV/125-58-12-6/13

The Automatic Welding of Cold-Resistant Steel Under a Ceramic Flux

Normalization by local heating is recommended for industrial use.

There are 4 sets of microphotos, 1 graph, 2 tables and 9 Soviet references.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnical Institute)

SUBMITTED: July 12, 1958

Card 2/2

14(11)

AUTHOR: Gapchenko, M. N.

SOV/32-25-2-33/72

TITLE: Oscillography of the Impact Test Process on Welds (Ostsvillo-grafirovaniye protsesa udarnykh ispytaniy svarynykh soyedineniy)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2,
pp 193 - 195 (USSR)

ABSTRACT: In this study advice obtained from Professor L. N. Nikol'skiy and I. A. Odintsov, Corresponding Member, AS USSR, was utilized. A sliding oscillograph with an acceleration meter as measuring device was used. The investigations were carried out by means of an apparatus developed by L. N. Nikol'skiy (Ref 7). Collaborators were Laboratory Head of the Bryanskij institut transportnogo mashinostroyeniya (Bryansk Institute of Transport Machinery Building) V. G. Dudenkov and the Students of the Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnical Institute) Prikhod'ko, Yu. A. Yuzvenko, N. I. Kopersak, I. M. Zhdanov, Yu. A. Lapada, V. P. Morenko, M. A. Vitman and I. M. Gurariy. Flat and laminated samples as well as welded samples of girders, and other sample types were examined.

Card 1/2

Oscillography of the Impact Test Process on Welds

SOV/32-25-2-33/73

The examination setup (Fig 1) shows that oscillograms were obtained as a result of the change in the electric resistance in the cells of the accelerometer due to the impact. A mirror reflects the light beam corresponding to these changes onto a photographic film. The oscillogram obtained is further examined by graphical integration (Fig 3). The method of taking oscillograms in impact tests has rendered it possible to determine the energy of fracture in the examination of welding samples and samples of irregularity-filling weldings, rails, and some welded articles on vertical rams. The tendency of a metal to form or develop cracks is characterized by certain sections on the oscillogram (Fig 2). In brittleness destructions the oscillogram of the acceleration change with the time forms a small area (Fig 4) and consists of a curve section corresponding to the tension increase and another curve section characteristic of the destruction. There are 4 figures and 9 Soviet references.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnical Institute)

Card 2/2

ROSSOSHINSKIY, Aleksey Anatol'yevich; GAPCHENKO, M.N., kand. tekhn. nauk,
retsenzent; ONISHCHENKO, N.P.. red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Metallurgy of welded joints] Metallografiia svarnykh shvov.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961.
205 p. (MIRA 14:5)

(Welding--Testing) (Metallography)

BORT, M.M., kand.tekhn.nauk; BYALOTSKIY, L.A., inzh.; VASIL'YEV, G.V., inzh.;
VOSCHANOV, K.P., inzh.; GAPCHENKO, M.N., kand.tekhn.nauk; GORPENYUK,
N.A., kand.tekhn.nauk; GREBEL'NIK, P.G., kand.tekhn.nauk; DIATLOV,
V.I., kand.tekhn.nauk; TROCHUN, I.P., kand.tekhn.nauk; KHRENOV, K.K.,
akademik; SOROKA, M.S., red.

[Electric welder's handbook] Spravochnik elektrosvarshchika. Izd.3.,
perer. Moskva, Gos.nauchno-tekhniko-mashinostroit.lit-ry, 1961.
748 p. (MIRA 14:6)

1. AN USSR (for Khrenov).
(Electric welding)

GAECHENKO, Mikhail Nikolayevich; ASNIS, A.Ye., doktor tekhn. nauk,
retsenzent; SINGOYEVSKIY, K.V., red.; GORNOSTAYPCL'SKAYA,
M.S., tekhn. red.

[Brittle fracture of welded joints and constructions] Khrupkoe
razrushenie svarynykh soedinenii i konstruktsii. Moskva, Mash-
giz, 1963. 178 p. (MIRA 16:7)
(Metals--Brittleness) (Welding) (Hard facing)

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m

*A New Reaction for Bismuth. M. V. Gapechenko and O. G. Sheintzas (Zavod-
zhez Zabornikha (Works' Lab.), 1935, 4, (7), 835). [In Russian.] Quin-
oline and KI give with cold $\text{Bi}(\text{NO}_3)_3$ solutions a reddish yellow precipitate of
 $\text{C}_8\text{H}_7\text{NH}_3\text{Bi}_2$ (sensitivity 0.02 mg./c.c.). Pb, Sb, Hg, and Ag do not inter-
fere as their precipitates are less intensely coloured; Na_2SO_4 must be added if
 Cu^{+2} or Fe^{+3} are present.—D. N. S.

ASA-11A METALLURGICAL LITERATURE CLASSIFICATION

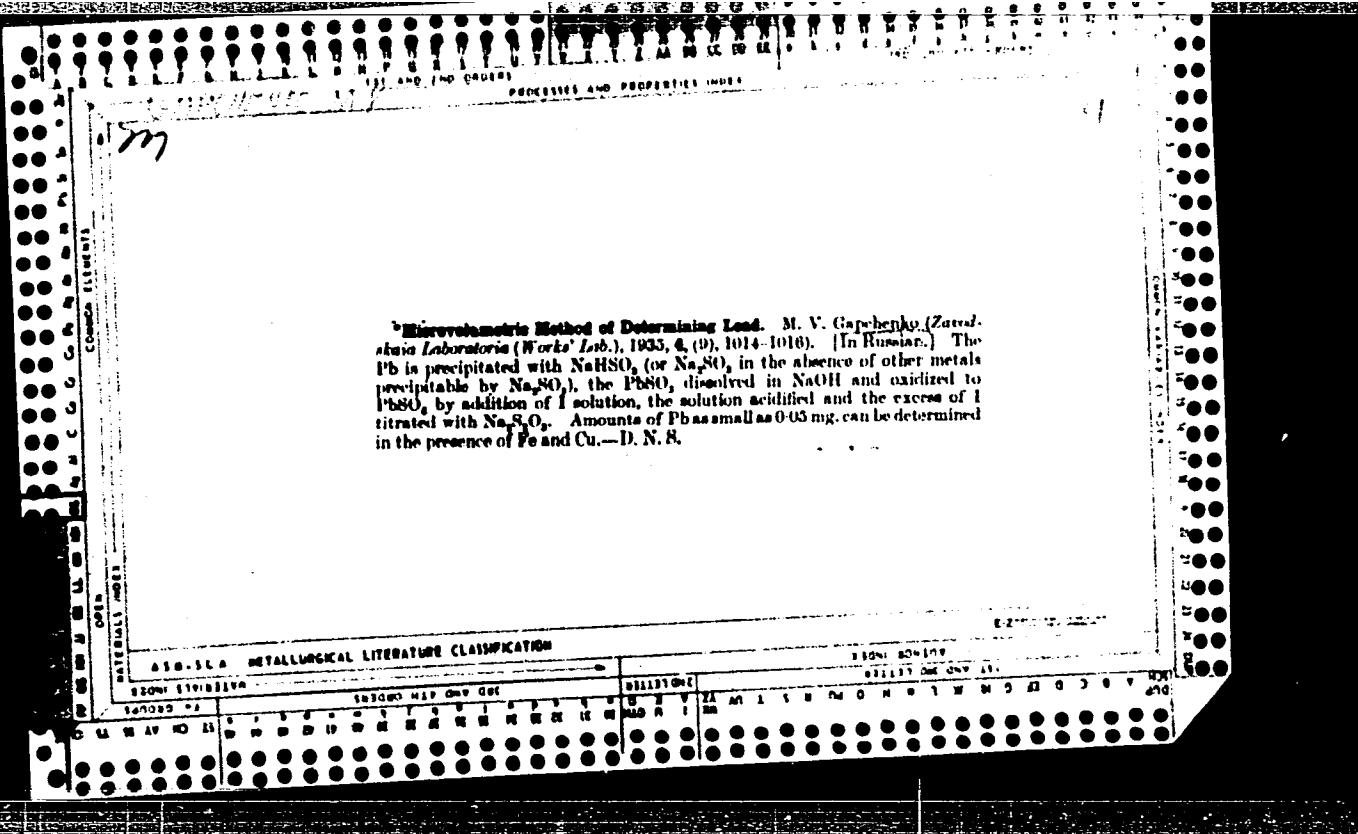
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Quantitative Determination of Lead in Alloys. M. V. Gapeleva and O. G. Sheintais (Zavodskii Laboratoriia (Works' Lab.), 1935, 4, (87) 848-870). [In Russian.] The alloy is dissolved in HNO₃, the Sn and Sb removed, and the solution treated with NH₄OH just sufficient to dissolve the Cu and CH₃CO₂NH₄ to dissolve Pb(OH)₂; the Pb is then precipitated with NaHSO₃ as PbSO₄ which is collected in a Gooch crucible, dried at 105° C. and weighed, or alternatively dissolved in 10 c.c. of 2*N*-NaOH and the SO₄²⁻ determined colorimetrically. - D. N. S.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514310005-2"



m
7. Determination of Lead in Alloys. M. V. Gaptachenko and O. G. Scheintzis
(Chimia, 1958, 119-123; Brit. Chem. Abstr., 1958, [A1], 636). [In Russian.]
The alloy, containing Sn, Sb, Pb, and Cu, is dissolved in HNO₃, the solution
is filtered, excess of aqueous NH₃ is added to the filtrate, the precipitate of
Pb(OH)₂ is dissolved by adding NH₄OAc, and Pb is determined by the above
method.

ASME-SCA METALLURGICAL LITERATURE CLASSIFICATION

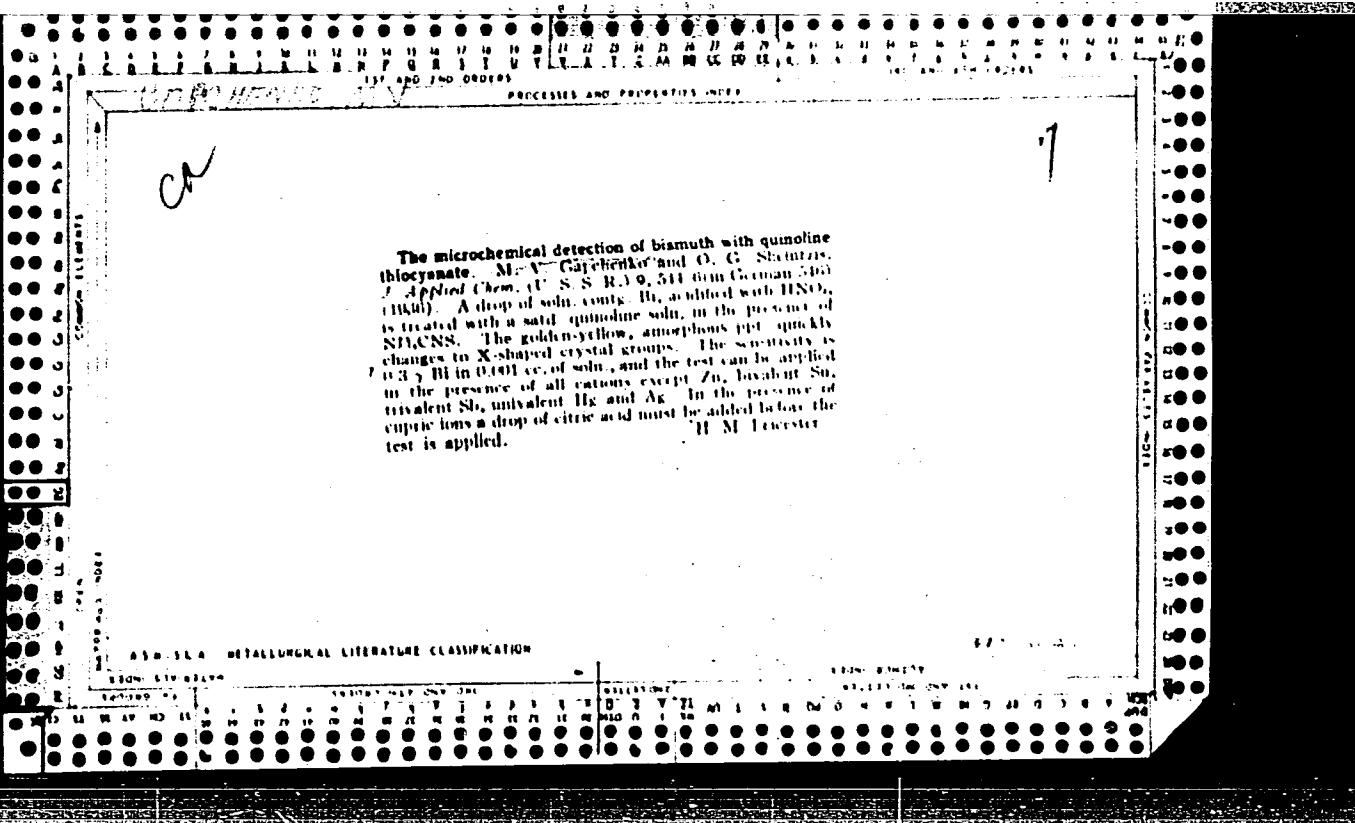
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7

The microchemical detection of magnesium with 8-hydroxyguanidine. M. V. Gorchakov and O. G. Shchitov. *J. Applied Chem. (U. S. S. R.)* V. 541 3 (1986). Addn. of the reagent to a drop of soln. gives a green-yellow amorphous ppt., which changes to cryst. rosettes. The sensitivity is 0.03-0.04 γ, and 0.2 γ of Mg can be detected in the presence of 700 times as much K or 500 times as much Ba; 0.3 γ can be detected in 100 times as much Na or 500 times as much Sr; 0.4 γ of Mg can be detected in 200 times as much Ca. In the presence of heavy metals, except Zn, Cu and Cd, addn. of alk. Na nitrate prevents pptn. of these metals in the test. H. M. Lester

AS-A-1A METALLURGICAL LITERATURE CLASSIFICATION



Quinoline as microchemical reagent for detection of certain metals. M. V. Gatchenko and O. G. Shchitina. Zvezdibye Lab. 6, 1220-3 (1937); cf. Kormunen, U.S. 25, 2K9. — The crypt. ppt. produced by Sn⁺⁺, Cd⁺⁺, Zn and Fe⁺⁺⁺ with quinoline and KI, and by Cd, Zn and Ag with quinoline and NH₄SCN in admixt. are described and illustrated. The reactions are used for the micro-detection, by spot tests.
Chas. Blane

ABE-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZINN, STEVENS

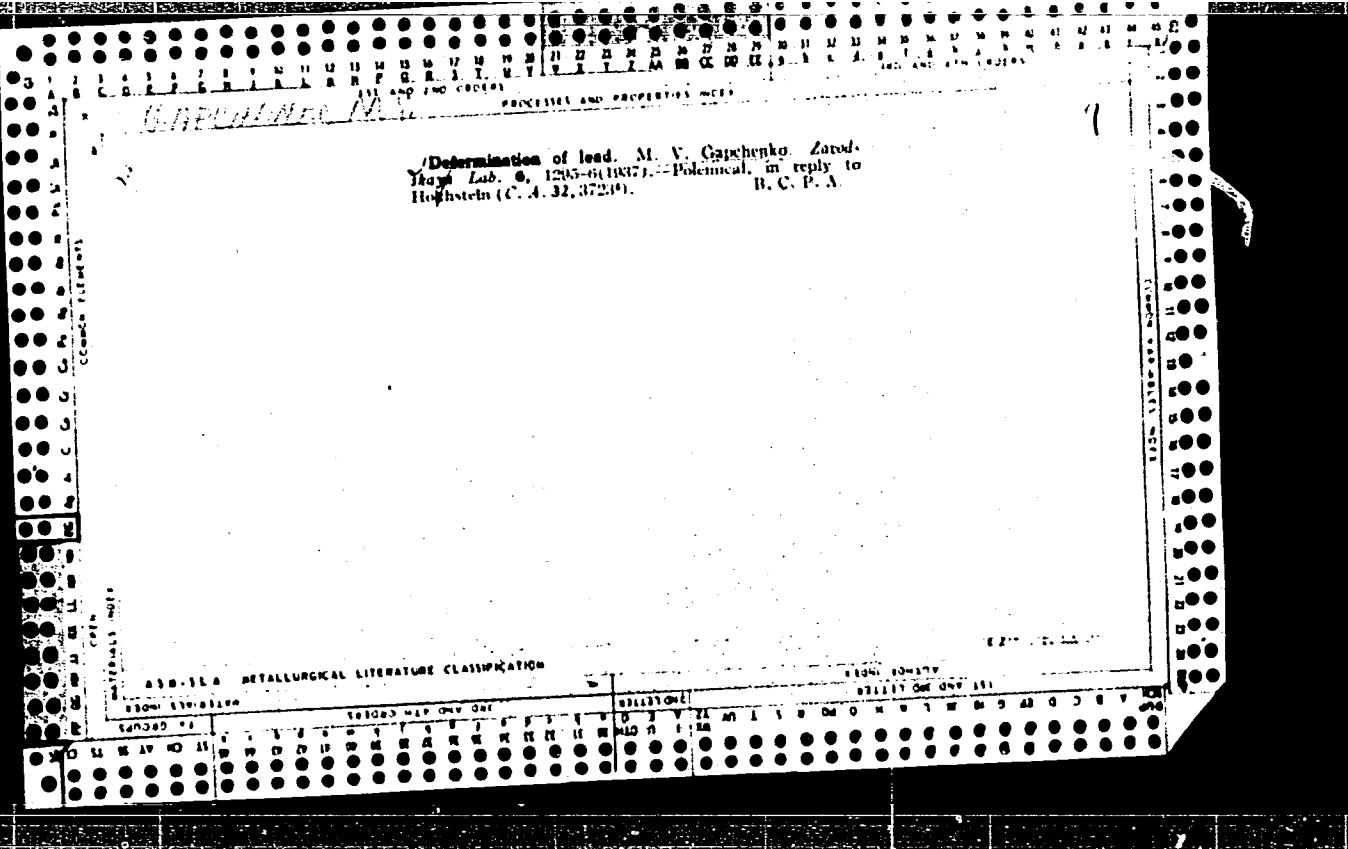
1900-1940

SECOND REF'D BY DATE

ZINN, STEVENS

1941-1945

THIRD REF'D BY DATE



CHPHEALU 100V

New drop reaction method for titanium. M. V. Gapeleva and O. G. Shelntis. *J. Gen. Chem. USSR* S.R.) 7, 1427-8 (1937). [AIA] The method of Mowr, Neumeyer and Winter (C. A. 24, 2688) for the detn. of Ti by means of tannin and antipyrine was used as a basis for a drop method. The reagents consist of a 10% soln. of tannin and a 20% soln. of antipyrine. A piece of filter paper is satd. with the tannin soln., a drop of antipyrine soln. is placed on the paper and then a drop of the soln. to be tested is placed on the antipyrine blotch. A red-brown coloration indicates the presence of Ti. By this reaction one part of Ti in 250,000 parts soln. can be detected. In the presence of Fe, Cr, Al, Cu, Ni, Mn, Zn, Hg, Pb, Cu, Cd, Bi and Zr, the colored spot on the filter paper is moistened with 1:4H₂SO₄;H₂O which removes any other coloration except the red-brown of Ti. The only difficulty is with Mo which gives a brown greenish coloration, not entirely eliminated by the H₂SO₄ soln.

S. L. Madorsky

ASO-514 METALLURGICAL LITERATURE CLASSIFICATION

GAPACHEVSKAYA

M

PROCESSES AND PROPERTIES INDEX

11

Microtitration of Lead. M. V. Gapachevskaya (*Khimia*, 1988, 113-118; *Brit. Chem. Abstr.*, 1988, [A1], 839).—[In Russian.] 10% NaHSO₃ is added to the solution (<0.05 mg. Pb) in a centrifuge tube, and the precipitate of PbSO₃ is washed on the centrifuge and dissolved in 2N-NaOH. Then KI is added, the solution is made acid, and excess of I₂ is titrated. Fe and Cu do not interfere in neutral solutions.

ASA-32 AND METALLURGICAL LITERATURE CLASSIFICATION